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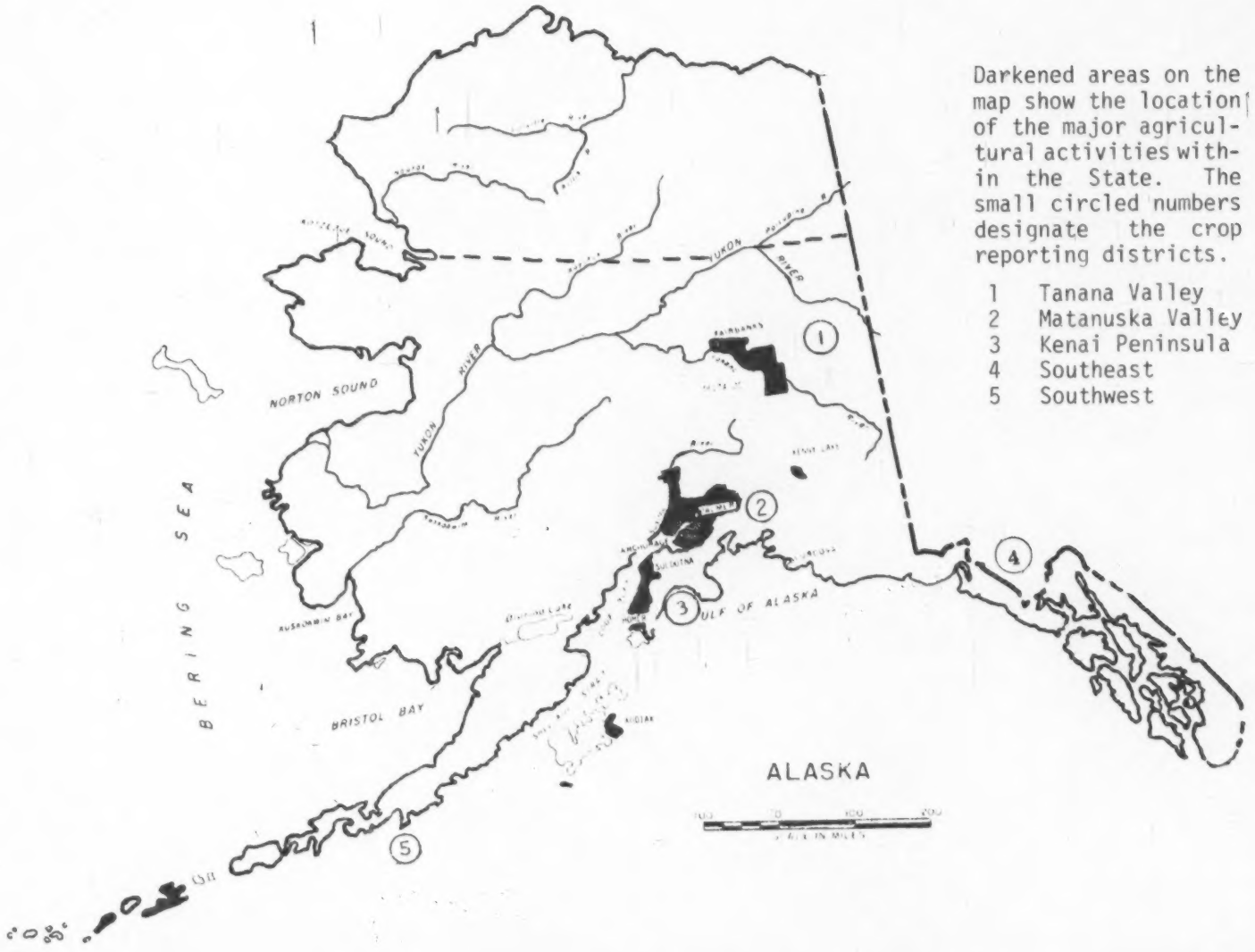
Alaska Crop & Livestock Reporting Service

JUNE 1984

ALASKA

AGRICULTURAL STATISTICS



Darkened areas on the map show the location of the major agricultural activities within the State. The small circled numbers designate the crop reporting districts.

1 Tanana Valley
2 Matanuska Valley
3 Kenai Peninsula
4 Southeast
5 Southwest

ALASKA AGRICULTURAL STATISTICS

1984

COMPILED BY

ALASKA CROP AND LIVESTOCK REPORTING SERVICE

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Dear Reader:

This report is a cooperative effort between the Division of Agriculture, the U. S. Department of Agriculture-Statistical Reporting Service, Cooperative Extension Service and Agricultural Experiment Station.

Farmers are always at the mercy of the weather and 1983 was no exception. The Mat-Su Valley had an excellent cropping season, but dry weather in the Delta area cut barley yields and early snow in the Fairbanks area left some crops unharvested. Despite these conditions both beef and pork production were up. The number of eggs produced almost doubled, the production of silage, oats, hay, potatoes and even barley with its reduced yield were higher. The value of lettuce sold in '83 was almost $100,000 over '82 and the list goes on. Alaskan agriculture is still a growth industry.

Our thanks go to Delon Brown and his staff for the excellent job they have done on this publication.

Good farming to all in '84.

Sincerely,

Bill L. Heim

Bill L Heim
Director

10-J30LH

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F O R E W A R D

Alaska is one-fifth the size of continental United States; is as large as Texas, California, and Montana combined (see back cover). The total land area of Alaska is approximately 375 million acres, of which 1.3 million acres were listed as land in farms in the 1982 U.S. Census of Agriculture. Agriculture production is still confined to relatively small areas of the state's total acreage (see inside front cover).

Most land in farms consist of grazing land leased from the State, the U.S. Government and Native Corporations. Crops utilized only 34,700 acres in 1983, the balance was left idle in pasture or uncleared lands. State land lotteries and sales since 1978 have placed over 151,000 acres of potential agriculture land into private ownership. Only a small percent of these acres will be in production in 1984. Alaska has nearly 20 million acres of potential tillable farmland, plus another 18 million suitable for potential livestock grazing. The number of farms in Alaska has been increasing from 290 in 1978 to 450 farms in 1983. The state population was estimated at 510,000 people in 1983.

The 1984 publication includes the latest official State Crop & Livestock statistics on Agriculture in Alaska. It continues the series of "Alaska Agriculture Statistics" started in 1960.

This issue contains the preliminary estimates for 1983 along with comparable 1981 and 1982 data which have been subject to revision. Also included are pertinent historical estimates on the State level for comparison purposes. The estimates in this publication were developed from the monthly, quarterly and annual surveys conducted each year by this office. The Alaska survey response continues to be excellent and I want to express my sincere "THANKS" to the many farmers, ranchers, and agri-businessmen who helped by providing basic data about the State's agriculture. I would also like to thank the other Federal, State, and University Offices for their continued support.

DELON A. BROWN
Statistician in Charge

* *

REPORTS AVAILABLE: 1/

ALASKA FARM REPORTER (MONTHLY)
Includes milk and egg production, potato stocks, crop production and livestock inventory.

ALASKA AGRICULTURE STATISTICS (Annual)
Area Estimates - Crop, livestock and values.

CROP WEATHER (weekly)
(May 1 to October 1) - Planting and harvesting progress, crop development progress and weather data.

1/ All releases are free to crop and livestock reporters and available by subscription to non-reporters.

ALASKA FERTILIZER CONSUMPTION (TONS) - 1982-83

	1982 1/	1983 2/
	Tons	
NITROGEN:		
Ammonium Nitrate	385	550
Urea	1840	1860
Ammonium Sulfate	75	190
PHOSPHATE:		
Treble Super Phosphate	10	470
Ammoniated Phosphate	95	--
POTASH:		
Muriate of Potash	50	430
TOTAL MATERIAL	2455	3500
COMPLETE FORMULAS:		
6-26-30	110	--
6-31-23	20	--
7-34-15	20	200
8-28-21	--	30
8-32-15	95	60
8-32-16	480	890
9-19-9	--	25
10-20-10	430	90
10-20-20	490	500
10-45-7	--	490
12-24-24	--	45
12-45-8	50	55
15-30-15	20	--
16-16-16	230	300
17-17-17	--	30
18-18-18	25	1200
18-24-6	--	85
18-46-0	170	120
20-10-10	425	200
20-20-10	75	260
COMPLETE FORMULAS (Cont'd):		
20-22-10	--	85
21-7-14	--	30
22-4-4	150	110
22-11-11	505	760
22-11-21	--	70
22-22-13	25	--
23-7-14	220	--
23-12-19	20	--
23.5-10-17	--	30
24-10-18	100	105
24-18-18	40	--
25-3-7	65	--
25-17-13	--	80
26-23-0	--	140
26-23-7	140	--
27-18-9	75	40
28-0-22	90	--
28-15-6	25	--
28-16-8	--	50
28-16-16	--	100
28.5-15.6-6	--	30
29-0-22	--	160
31-0-19	115	--
31-17-20	--	40
32-8-12	--	140
Misc. 3/	150	240
TOTAL MIX	4360	5710
TOTAL ALL FERTILIZER	6815	9210
LIME	1780	950

1/ Revised. 2/ Preliminary. 3/ Includes Complete formulas of less than 20 tons.

ALASKA AGRICULTURAL COMMODITIES PRODUCED - (Selected Years)

Commodity		1960	1965	1970	1975	1980	1983
		- - - - - - - - - Thousand Units - - - - - - - - -					
				CROP PRODUCTION			
OATS							
FOR GRAIN	Bu.	79.8	42.0	22.5	16.8	26.1	37.5
BARLEY							
FOR GRAIN	Bu.	87.4	67.2	46.5	70.0	339.0	369.0
ALL SILAGE	Tons	20.0	21.7	13.6	15.2	12.4	13.8
GRAIN SILAGE	Tons	15.8	17.7	7.4	4.8	4.7	5.8
GRASS SILAGE	Tons	4.4	4.0	6.2	10.4	7.7	8.0
ALL HAY	Tons	10.5	8.8	9.4	21.4	15.0	21.7
GRAIN SILAGE	Tons	2.5	2.2	1.5	7.1	2.7	4.6
GRASS SILAGE	Tons	8.0	6.6	7.9	14.3	12.3	17.1
POTATOES	Cwt.	131.4	131.0	106.8	108.7	77.0	118.0
CABBAGE	Cwt. 1/	3.6	3.0	3.5	3.0	4.1	7.1
LETTUCE	Cwt. 1/	6.2	6.5	7.9	9.5	11.3	36.2
CARROTS	Cwt.	7.6	2.9	1.5	2.0	3.3	2.3
VEGETABLES	Cwt.	2.8	2.1	3.0	1.8	4.6	5.8
				LIVESTOCK AND POULTRY PRODUCTION			
EGGS	Doz.	529.8	766.7	408.0	417.0	375.0	1300.0
POULTRY	Lbs.	55.0	89.0	73.0	167.0	161.0	146.0
BEEF	Lbs.	357.0	824.0	963.0	664.0	767.0	835.0
PORK	Lbs.	151.0	205.0	135.0	150.0	232.0	899.0
MUTTON	Lbs.	12.0	28.0	52.0	30.0	18.0	21.0
WOOL	Lbs.	125.0	209.0	239.0	67.0	35.0	23.0
REINDEER	Lbs.	450.0	637.0	615.0	345.0	NA	280.0
		- - - - - - - - - - - - - - - Million Units - - - - - - - - -					
MILK	Lbs.	20.4	20.7	18.6	16.8	12.5	13.5

1/ 1983 units in cartons. 2/ Head lettuce only.

ALASKA LIVESTOCK AND POULTRY ON FARMS (By Class) - (Selected Years)

CLASS	Jan. 1 1961	Jan. 1 1965	Jan. 1 1970	Jan. 1 1975	Jan. 1 1980	Jan. 1 1984
	- - - - - - - - - - - Thousand Head - - - - - - - - - - -					
ALL CATTLE AND CALVES	7.3	8.3	8.7	9.7	8.4	9.6
Beef Cows	1.4	2.0	2.6	2.8	2.5	3.3
Milk Cows	2.8	2.6	1.8	1.6	1.1	1.1
Heifers 500 Pounds+	1.0	1.2	1.1	1.2	1.2	1.2
Beef Cow Replacement	.4	.5	.6	.6	.7	.7
Milk Cow Replacement	.6	.7	.5	.6	.5	.5
Steers 500 Pounds +	.6	.7	.8	.6	.4	.7
Bulls 500 Pounds +	.2	.2	.5	1.0	1.2	1.2
Calves Under 500 Pounds	1.3	1.6	2.0	2.5	1.9	2.0
ALL SHEEP AND LAMBS	1.5	20.0	27.0	12.4	4.3	3.1
Lambs	4.0	4.0	5.0	2.0	.7	.5
Ewes 1 Year +	6.0	9.0	11.0	6.0	2.3	1.6
Wethers and Rams 1 Year	5.0	7.0	11.0	4.4	1.3	1.0

	Jan. 1 1961	Jan. 1 1965	Dec. 1 1969	Dec. 1 1974	Dec. 1 1979	Dec. 1 1983
	- - - - - - - - - - - Thousand Head - - - - - - - - - - -					
ALL HOGS AND PIGS	1.0	1.4	1.1	1.2	1.1	3.2
Slaughter Hogs & Pigs	NA	1.1	.9	.9	.8	2.6
Breeding Hogs	NA	.3	.2	.3	.3	.6
ALL CHICKENS	42.0	39.0	30.0	30.0	26.0	73.0
HPLA	41.0	38.0	28.0	29.0	24.0	61.0
Other Chickens	1.0	1.0	2.0	1.0	2.0	12.0

NA - Not Available

ALASKA VALUE OF PRODUCTION BY AREAS - 1981-83

YEAR	TANANA VALLEY	MATANUSKA VALLEY	KENAI PENIN.	SOUTH-EAST	SOUTH-WEST	STATE TOTAL
			Dollars			
			CROPS			
1981	2,608,600	4,435,400	438,000	-	16,000	7,498,000
1982	2,909,200	3,385,800	526,000	-	25,000	6,846,000
1983	2,980,000	5,138,000	672,000	-	25,000	8,815,000
			LIVESTOCK AND POULTRY			
1981	634,100	3,258,800	399,300	19,300	351,500	4,663,000
1982	883,700	3,822,400	596,500	18,300	421,100	5,742,000
1983	1,016,700	4,427,000	937,500	25,200	230,700	6,638,000
			TOTAL			
1981	3,242,700	7,694,200	837,300	19,300	367,500	12,161,000
1982	3,792,900	7,208,200	1,122,500	18,300	446,100	12,588,000
1983	3,996,700	9,565,900	1,609,500	25,200	255,700	15,453,000

1/ Includes only crop and livestock commodities in this bulletin, except reindeer.

ALASKA REINDEER 1/ (Selected Years)

REINDEER: Most of the State's reindeer are located on the Seward Peninsula and Nunivak and Umnak Islands. There are also village herds located on the islands of the Bering Seas. The total number of reindeer in Alaska during 1983 was around 22,000 head. Large numbers of reindeer have been lost to the migrating caribou herds the past couple of years. Revenue is mainly from sale of meat and by products.

REINDEER NUMBERS

	1977	1981	1982	1983
Males	7,000	9,200	9,000	8,000
Females	13,000	15,800	15,000	14,000
TOTAL 2/	20,000	25,000	24,000	22,000

REINDEER MEAT AND BY-PRODUCTS

	MEAT PRODUCTION		MEAT SALES		OTHER SALES 3/
	Pounds Dr. Wt.	Value (Dollars)	Pounds Dr. Wt.	Value (Dollars)	Value (Dollars)
1977	312,000	275,000	256,000	225,000	196,000
1982	273,000	423,000	240,000	408,000	454,000
1983	280,000	448,000	250,000	438,000	334,000

1/ Preliminary. 2/ This includes bulls, steers, steers, cows, and fawns.
3/ Antlers, hides and other by-products.

ALASKA FARM COMMODITY CASH RECEIPTS - 1981-83

ITEM	1981	1982	1983 1/
TOTAL ALL COMMODITIES	14,210,000	15,746,000	18,335,000
Total Livestock Products	5,088,000	6,385,000	7,261,000
All Meat Animals	571,000	954,000	1,193,000
Cattle and Calves	287,000	309,000	333,000
Sheep and Lambs	9,000	20,000	9,000
Hogs and Pigs	275,000	625,000	851,000
All Dairy Products	2,465,000	2,791,000	2,716,000
Milk Wholesale	2,400,000	2,726,000	2,654,000
Milk Retail	65,000	65,000	62,000
All Poultry & Eggs	695,000	892,000	1,563,000
Poultry	25,000	19,000	16,000
Eggs	670,000	873,000	1,547,000
All Miscellaneous Livestock	1,357,000	1,748,000	1,789,000
Wool	8,000	18,000	12,000
Other Livestock 2/	1,349,000	1,730,000	1,777,000
Total All Crops	9,122,000	9,361,000	11,074,000
All Feed Crops	2,684,000	2,402,000	3,080,000
Barley	869,000	997,000	1,059,000
Hay	1,776,000	1,311,000	1,944,000
Oats	39,000	94,000	79,000
All Vegetables	2,148,000	2,073,000	2,447,000
Potatoes	1,502,000	1,336,000	1,656,000
Miscellaneous Vegetables	646,000	737,000	791,000
Berries	27,000	25,000	28,000
All Other Crops 3/	4,263,000	4,861,000	5,517,000

1/ Preliminary. 2/ Includes equine, goats, honey, mink, rabbits, reindeer and other livestock and products. 3/ Includes forest products, greenhouse, nursery, seed and other field crops not mentioned above.

ALASKA'S 1983 CROP SEASON

MATANUSKA VALLEY: Cold and wet soil conditions limited field activity until late April and early May. However, by mid-May nearly all field work and planting was on schedule. Small grain seeding, potato and vegetable planting ranged up to 10 days ahead of schedule and virtually all planting was complete by June 1. Rains early in June promoted moderate to rapid crop growth. Soil temperatures were generally warmer than in 1982. Hay harvest started around June 20 and most growers made excellent progress, taking advantage of the nearly ideal haying conditions. First cutting was 75 percent complete by July 4 compared with only 50 percent a year earlier. Planted crops were showing stress from short topsoil moisture supplies although subsoil supplies were generally adequate. Barley and potato fields made excellent growth and development. Harvest of radishes, leaf lettuce and other greens was in full swing during the second week of July. Showers limited field activity; however, first cutting of hay was virtually complete by August 1. Growth of second cutting was slow and short to this point. Rain and cool temperatures started near mid-August and persisted throughout much of the remaining growing season, slowing crop development and cutting of second crop hay along with hampering harvest of other crops. Harvest of early variety potatoes also started. Vegetable supplies were plentiful throughout August and much of September. Frost damage was reported at higher elevations and the Kenny Lake area on September 5 and was widespread from September 16 on. Potato digging was in full swing averaging 75 percent complete by September 19. Hay and barley harvest remained slow and competed with snow and wet conditions during most of the fall.

TANANA VALLEY: Field activity was limited to light soils until early May, but farmers worked long hours and made excellent seeding progress during the last 3 weeks in May. Barley seeding was 95 percent complete by June 1, much ahead of the 1982 schedule. New emerged crops welcomed rain showers during early June although low moisture supplies during much of June and July limited hay and small grain growth. First cutting hay started during the 3rd week of June and progressed rapidly with most operations virtually complete by the second week of July. Rain showers and cloudy weather slowed crop development and field activity during the remainder of July and much of August. Second cutting of hay and digging of early potato varieties were hampered by wet soil conditions. Barley swathing started as weather permitted during mid-August. Prolonged rain and colder temperatures delayed crop maturity and harvest through mid-September. Cold, snow and wetness caused poor harvesting conditions and high moisture grain during much of the season's harvest. Barley harvest was 85 percent complete by early October. Some growers with barley laying in the swath weren't able to get the swath dry enough to harvest; most other hay and barley fields were harvested after freeze-up.

KENAI PENINSULA: Limited field activity started in most areas the third week of May. Crop growth was generally moderate and condition was above average. Haying was general in early July and continued off and on between showers through much of August. Crop growth and maturity remained ahead of normal throughout much of the season. Soil moisture supplies were generally adequate or better in most areas all season. Wet conditions prolonged potato digging activity.

BARLEY was planted on 16,000 acres in 1983, 7,500 acres more than in 1982. Growers harvested 12,900 acres of which 11,900 acres were harvested for grain. Production of BARLEY FOR GRAIN was 369,000 bushel, 54,000 bushels above 1982. Yield averaged 31.0 bushels or 14.9 cwt. per acre. The 1983 crop value, at 1,218,000 was 84,000 above the 1982 level.

OAT growers planted 3,100 acres of oats, 100 acres less than 1982. Growers harvested 2,600 acres, 100 above last year's level. Most of the oat acreage was harvested for hay in 1983.

OATS FOR GRAIN was harvested from 600 acres, unchanged from 1982. Production at 37,500 bushels was up 6,300 bushels from the 1982 production. The State's yield averaged 62.5 bushels or 20 cwt. per acre. Value of the 1983 crop at $113,000 was $43,000 below the previous year.

MIXED GRAINS for hay and silage were harvested from 800 acres, compared with 600 acres in 1982. Production is included with hay and silage data.

ALL HAY production of 21,700 tons was up 7,400 tons from the 1982 production and the largest crop on record. The State average yield at 1.38 tons per acre, compares with 1.09 tons per acre in 1982. The 1983 crop was harvested from 15,700 acres, up from 13,100 acres a year earlier. Production value of all hay at $3,906,000 was up $1,189,000 from the previous year.

GRASS HAY was harvested from 12,900 acres, 2,000 more than in 1982. Production of 17,100 tons of grass hay was 5,300 tons above the 1982 level. Seeded grass hay-brome, timothy, etc. is harvested mostly in the Tanana and Matanuska Valleys. Native grasses make up much of the Kenai Peninsula hay production.

GRAIN HAY, mostly oat hay was harvested from 2,800 acres, up 600 acres from the previous year. Production totaled 4,600 tons, compared with 2,500 tons in 1982.

ALL SILAGE production of 13,800 tons was up 3,800 tons from the previous year. A total of 2,000 acres of silage was harvested, up 200 acres from 1982. GRASS SILAGE was harvested from 1,000 acres and produced 8,000 tons. GRAIN SILAGE produced 5,800 tons from 1,000 acres. Silage is produced mainly by Grade A dairies in the Matanuska Valley. Production value of all silage at $620,000 was $192,000 more than a year ago.

POTATO production of 118,000 cwt. was harvested from 520 acres, compared with 102,000 cwt. in 1982. Value of production at $2,124,000 was $492,000 above the 1982 crop.

VEGETABLES were harvested from 287 acres, 19 acres less than 1982. Value of all vegetables produced, excluding greenhouse vegetables was $834,000 compared with $779,000 in 1982. HEAD LETTUCE production of 36,200 cartons was harvested from 120 acres in 1983. Other types of lettuce are included in other vegetables. An annual average carton weight in Alaska was 52 pounds in 1982 and 51 pounds in 1983. CABBAGE production of 7,100 cartons were produced on 32 acres in 1983. An annual average carton weight for cabbage in Alaska was 51 pounds in 1982 and 55 pounds in 1982.

CARROT production totaled 2,300 cwt., 700 cwt. below 1982. Acres harvested at 22 was off from 29 a year ago. OTHER VEGETABLES were harvested from 113 acres, 18 acres below the previous year.

ALASKA CROPLAND UTILIZATION - 1983

CROPS	TANANA VALLEY	MATANUSKA VALLEY	KENAI PENIN.	SOUTH WEST	STATE TOTAL
	Acres				
			PLANTED AREA		
COMMERCIAL VEGETABLES					
Potatoes	85	450	25	-	560
Lettuce	22	111	-	-	133
Cabbage	7	26	-	-	33
Carrots	5	18	-	-	23
Other Vegetables	16	106	-	-	122
FEED CROPS					
All Oats	1,900	800	400	-	3,100
All Barley	15,200	800	-	-	16,000
Grain Mixtures	50	750	-	-	800
GRASSLAND HARVESTED					
Grass	5,400	5,800	2,600	100	13,900
TOTAL LAND IN CROPS	22,685	8,861	3,025	100	34,671
Percent of State Total	65.4	25.6	8.7	.3	100
			HARVESTED AREA		
COMMERCIAL VEGETABLES					
Potatoes	70	425	25	-	520
Lettuce	20	100	-	-	120
Cabbage	6	26	-	-	32
Carrots	5	17	-	-	22
Other Vegetables	15	98	-	-	113
FEED CROPS					
Oats-All Purposes	1,650	600	350	-	2,600
Barley-All Purposes	12,250	650	-	-	12,900
Grain Mixtures	50	750	-	-	800
Grass	5,400	5,800	2,600	100	13,900
			FEED CROP UTILIZATION		
GRAIN					
Oats	450	150	-	-	600
Barley	11,450	450	-	-	11,900
HAY					
Grain	1,600	900	300	-	2,800
Grass	5,400	4,800	2,600	100	12,900
SILAGE					
Grain	450	500	50	-	1,000
Grass	-	1,000	-	-	1,000

1/ Dash indicates no crop produced or combined with other areas.

ALASKA BARLEY AND OATS - 1981-83

District	Year	Area Planted Acres	AREA HARVESTED FOR GRAIN Acres	Yield Bu.	Production Bu. (000)	Value (000)
				BARLEY		
Tanana Valley	1981	15,600	7,800	32.9	224.0	899.0
	1982	7,700	7,250	42.5	308.0	1,100.0
	1983	15,200	11,450	30.5	349.0	1,150.0
Matanuska Valley	1981	900	700	38.6	27.0	130.0
	1982	600	250	28.0	7.0	34.0
	1983	800	450	44.0	20.0	68.0
Kenai Peninsula	1981	-	-	-	-	-
	1982	200	-	-	-	-
	1983	-	-	-	-	-
STATE TOTAL	1981	16,500	8,500	29.5	251.0	1,029.0
	1982	8,500	7,500	42.0	315.0	1,134.0
	1983	16,000	11,900	31.0	369.0	1,218.0
				OATS		
Tanana Valley	1981	5,100	300	47.5	14.3	39.0
	1982	2,300	550	53.0	29.2	144.0
	1983	1,900	450	63.0	28.4	78.0
Matanuska Valley	1981	600	200	37.0	7.4	26.0
	1982	500	50	40.0	2.0	12.0
	1983	800	150	60.5	9.1	35.0
Kenai Peninsula	1981	300	-	-	-	-
	1982	400	-	-	-	-
	1983	400	-	-	-	-
STATE TOTAL	1981	6,000	500	43.5	21.7	65.0
	1982	3,200	600	52.0	31.2	156.0
	1983	3,100	600	62.5	37.5	113.0

ALASKA HAY AND SILAGE 1981-83

District	Year	Area Harvested Acres	Production Tons	Production Value (000)	Area Harvested Acres	Production Tons	Production Value (000)
				HAY			
		GRAIN HAY 1/			GRASS HAY		
Tanana Valley	1981	2,600	4,900	733.0	3,600	3,700	584.0
	1982	1,500	1,900	333.0	4,200	5,000	900.0
	1983	1,600	2,600	370.0	5,400	6,500	1,040.0
Matanuska Valley	1981	300	300	46.0	5,900	9,300	1,549.0
	1982	300	300	59.0	4,500	4,400	903.0
	1983	900	1,600	300.0	4,800	7,700	1,543.0
Kenai Peninsula	1981	300	300	47.0	1,600	1,600	257.0
	1982	400	300	57.0	2,100	2,300	440.0
	1983	300	400	76.0	2,600	2,800	552.0
Southwest 2/	1981	-	-	-	100	100	16.0
	1982	-	-	-	100	100	25.0
	1983	-	-	-	100	100	25.0
STATE TOTAL	1981	3,200	5,500	826.0	11,200	14,700	2,406.0
	1982	2,200	2,500	449.0	10,900	11,800	2,268.0
	1983	2,800	4,600	746.0	12,900	17,100	3,160.0
				SILAGE			
		GRAIN SILAGE			GRASS SILAGE		
Tanana Valley	1981	600	1400	48.0	300	500	20.0
	1982	250	1200	46.0	50	100	4.0
	1983	450	800	33.0	-	-	-
Matanuska Valley	1981	750	4,500	171.0	1,250	6,000	246.0
	1982	450	3,500	144.0	1,050	5,200	234.0
	1983	500	5,000	222.0	1,000	8,000	365.0
Kenai Peninsula	1981	50	200	7.0	50	200	7.0
	1982	-	-	-	-	-	-
	1983	50	-	-	-	-	-
STATE TOTAL	1981	1,400	6,100	226.0	1,600	6,700	273.0
	1982	700	4,700	190.0	1,100	5,300	238.0
	1983	1,000	5,800	255.0	1,000	8,000	365.0

1/ Includes mixed grains, oats and barley. 2/ Includes Southeast.

ALASKA ALL HAY AND ALL SILAGE 1981-83

District	Year	Area Harvested Acres	Yield Tons	Production Tons	Production Value (000)
			ALL HAY		
Tanana Valley	1981	6,200	1.39	8,600	1,317.0
	1982	5,700	1.21	6,900	1,233.0
	1983	7,000	1.30	9,100	1,410.0
Matanuska Valley	1981	6,200	1.55	9,600	1,595.0
	1982	4,800	.98	4,700	962.0
	1983	5,700	1.63	9,300	1,843.0
Kenai Peninsula	1981	1,900	1.00	1,900	304.0
	1982	2,500	1.04	2,600	497.0
	1983	2,900	1.10	3,200	628.0
Southwest 1/	1981	100	1.00	100	16.0
	1982	100	1.00	100	25.0
	1983	100	1.00	100	25.0
STATE TOTAL	1981	14,400	1.40	20,200	3,232.0
	1982	13,100	1.09	14,300	2,717.0
	1983	15,700	1.38	21,700	3,906.0
			ALL SILAGE		
Tanana Valley	1981	900	2.11	1,900	68.0
	1982	300	4.33	1,300	50.0
	1983	450	1.78	800	33.0
Matanuska Valley	1981	2,000	5.25	10,500	417.0
	1982	1,500	5.80	8,700	378.0
	1983	1,550	8.39	13,000	587.0
Kenai Peninsula	1981	100	4.00	400	14.0
	1982	-	-	-	-
	1983	-	-	-	-
STATE TOTAL	1981	3,000	4.27	12,800	499.0
	1982	1,800	5.56	10,000	428.0
	1983	2,000	6.90	13,800	620.0

1/ Includes Southeast.

ALASKA MIXED GRAINS 1/ (ALL PURPOSES) - 1981-83

District	1981	1982	1983	1981	1982	1983
			Acres			
	AREA PLANTED			AREA HARVESTED		
Tanana Valley	-	100	50	-	100	50
Matanuska Valley	650	500	750	650	500	750
Kenai Peninsula	50	-	-	50	-	-
STATE TOTAL	700	700	800	700	600	800

1/ Includes mixtures of oats, barley, peas and vetch.

ALASKA LETTUCE, CABBAGE, CARROTS, AND OTHER VEGETABLES - 1981-83

District	Year	Area Harv. Acres	Production Ctn.	Production Value	Area Harv. Acres	Production Cwt.	Production Value
		HEAD LETTUCE			CARROTS		
Tanana Valley	1981	14	2,500	3,900	6	700	25,000
	1982	13	2,600	31,000	8	700	21,000
	1983	20	4,200	57,000	5	500	17,000
Matanuska Valley	1981	86	20,900	235,000	21	3,000	96,000
	1982	96	26,800	306,000	21	2,300	69,000
	1983	100	32,000	379,000	17	1,800	61,000
STATE TOTAL	1981	100	23,400	274,000	27	3,700	121,000
	1982	109	29,400	337,000	29	3,000	90,000
	1983	120	36,200	436,000	22	2,300	78,000
		CABBAGE			OTHER VEGETABLES 2/		
Tanana Valley	1981	7	1,400	17,600	13	200	10,000
	1982	6	1,700	21,200	20	800	3,400
	1983	6	1,200	17,000	15	600	27,000
Mat. Valley 2/	1981	34	7,700	84,400	92	4,500	171,000
	1982	31	10,200	103,800	111	4,700	193,000
	1983	26	5,900	64,000	98	5,200	212,000
STATE TOTAL	1981	41	9,100	102,000	105	4,700	181,000
	1982	37	11,900	125,000	131	5,500	227,000
	1983	32	7,100	81,000	113	5,800	239,000

1/ Includes Kenai Peninsula. 2/ Excludes greenhouse grown vegetables.

ALASKA POTATOES - 1981-83

District	Year	Area Harvested Acres	Yield Cwt.	Production Cwt.	Production Value
					(000)
	1981	80	110	8,800	194.0
Tanana Valley	1982	90	162	14,600	307.0
	1983	70	133	9,300	191.0
	1981	395	204	80,500	1,681.0
Matanuska Valley	1982	370	232	85,700	1,328.0
	1983	425	250	106,400	1,889.0
	1981	25	228	5,700	120.0
Kenai Peninsula	1982	20	85	1,700	29.0
	1983	25	92	2,300	44.0
	1981	500	190	95,000	1,995.0
STATE TOTAL	1982	480	213	102,000	1,632.0
	1983	520	227	118,000	2,124.0

ALASKA POTATO STOCKS - 1981-83

Crop Year	Total Production	STOCKS ON HAND AS OF: Oct 1	Dec 1	Jan 1	Feb 1	Mar 1	Apr 1	May 1	Jun 1
	Hundred Weight								
1981	95.0	88.5	67.5	57.0	50.5	40.0	33.5	24.0	11.5
1982	102.0	93.0	77.0	64.5	53.0	41.0	32.0	23.5	5.5
1983	118.0	106.0	84.5	70.5	57.5	45.0	34.5	24.0	NA

POTATO PRODUCTION, DISPOSITION AND AVERAGE PRICE - 1980-83

Crop Year	Production	Total Seed	Farm Food Seed 1/	Lost and Shrinkage	Sold	Price Per Cwt.
1980	77.0	8.4	10.5	10.5	56.0	20.30
1981	95.0	6.7	8.5	15.0	71.5	21.00
1983	102.0	7.0	8.0	10.5	83.5	16.00

1/ Household use, fed livestock, and seed used on farm where grown.
NA - Not Available.

ALASKA LIVESTOCK AND POULTRY-1983

CATTLE AND CALVES: There were 9,600 head of cattle and calves on Alaska farms and ranches January 1, 1984, up 600 head from last year. Inventory value of all cattle on January 1, 1984 totaled $5,424,000.

DAIRY: Milk cows that have calved numbered 1,100 on January 1, 1984, up 100 head from the previous January 1. There were 500 head of dairy replacement heifers.

The number of Grade A dairies in the State on January 1, 1984, totaled 10 of which 8 were located in the Matanuska Valley; 2 in the Tanana Valley near Delta Junction.

MILK PRODUCTION in 1983 totaled 13.5 million pounds, 30,000 pounds less than in 1982. The value of milk produced, at $2,963,000, was $362,000 more than a year ago. The 1983 value per hundredweight of $21.47 compares with $19.41 in 1982.

BEEF: Beef cattle (all cattle and calves less milk cows and dairy replacement heifers) numbered 8,000 head, 500 head above the January 1, 1983 number. Beef cow numbers, at 3,300 head, were up 300 from the previous year. Replacement heifers are estimated at 800 head.

Marketing and transportation problems continue to be main obstacles of the rancher. Generally beef are sold off the range at the end of the grazing season.

HOGS: There were 3,200 hogs and pigs on Alaska farms on December 1, 1983, down from 3,500 head the previous year. Total value of hogs on December 1, 1983 was $459,000 compares with $551,000 on December 1, 1982.

SHEEP: Stock sheep & lambs in Alaska on January 1, 1984, totaled 3,100 head, down 200 head from a year earlier; a record low since our records began in 1960. Inventory value of sheep was estimated at $326,000 compared with $337,000 a year earlier.

WOOL PRODUCTION of 23,000 pounds was down from 28,000 pounds in 1982. The 2,200 head shorn compares with 2,300 head shorn in 1982. Fleece weight of 10.5 pounds was down from the 12.2 pounds previous year. Value of 1983 wool crop was $12,000.

POULTRY: All chickens on farms and commercial laying flocks in Alaska totaled 73,000 on December 1, 1983. Value of all chickens totaled $314,000 down from $381,000 a year earlier.

EGG PRODUCTION totaled 1,300,000 dozen in 1983, 567,000 dozen more than in 1982 and compares with the high of 850,000 dozen in 1966. Value of eggs produced in 1983 was about $1,547,000 $674,000 above the previous year.

ALASKA CATTLE ON FARMS JANUARY 1 - 1982-84

DISTRICT	1982	1983	1984	1982	1983	1984
	BEEF COWS THAT HAVE CALVED			MILK COWS THAT HAVE CALVED		
Tanana Valley	480	530	650	180	140	140
Matanuska Valley	170	110	130	880	820	920
Kenai Peninsula	330	270	400	30	30	30
Southwest 1/	2,020	2,090	2,120	10	10	10
STATE TOTAL	3,000	3,000	3,300	1,100	1,000	1,100
VALUE (000) DOLLARS	1,650.0	1,790.0	1886.0	924.0	840.0	968.0
	BEEF REPLACEMENT HEIFERS 2/			DAIRY REPLACEMENT HEIFERS 2/		
Tanana Valley	120	210	160	50	50	50
Matanuska Valley	70	50	40	440	440	440
Kenai Peninsula	120	70	80	10	10	10
Southwest 1/	690	470	420	-	-	-
STATE TOTAL	1,000	800	700	500	500	500
VALUE (000) DOLLARS	562.0	529.0	470.0	290.0	306.0	305.0
	STEERS 2/			BULLS 2/		
Tanana Valley	60	160	220	50	60	40
Matanuska Valley	110	120	70	40	50	50
Kenai Peninsula	30	100	100	40	30	20
Southwest 1/	500	420	310	670	760	1,090
STATE TOTAL	700	800	700	800	900	1,200
VALUE (000) DOLLARS	406.0	480.0	420.0	544.0	610.0	815.0
	CALVES 3/			ALL CATTLE		
Tanana Valley	370	300	300	1,310	1,460	1,580
Matanuska Valley	570	490	510	2,280	2,100	2,170
Kenai Peninsula	170	250	330	730	790	1,000
Southwest	990	860	860	4,880	4,650	4,850
STATE TOTAL	2,100	1,900	2,000	9,200	9,000	9,600
VALUE (000) DOLLARS	546.0	530.0	560.0	4,922.0	5,085.0	5,424.0

1/ Includes Southeast. 2/ Over 500 Pounds. 3/ Under 500 pounds.

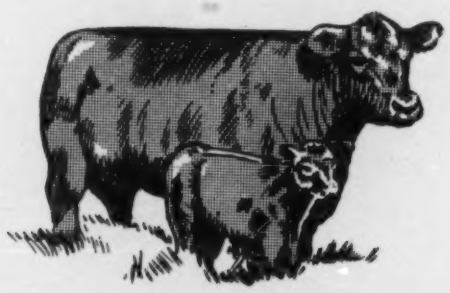
ALASKA HOGS AND POULTRY ON FARMS DECEMBER 1 - 1981-83

DISTRICT	1981	1982	1983	1981	1982	1983
	ALL HOGS			HENS & PULLETS OF LAYING AGE		
Tanana Valley	1,550	1,930	1,830	2,900	900	1,100
Matanuska Valley	1,140	1,450	1,180	27,700	35,700	34,000
Kenai Peninsula	60	80	160	4,100	20,000	25,500
Southeast 1/	50	40	30	300	400	400
STATE TOTAL	2,800	3,500	3,200	35,000	57,000	61,000
VALUE (000) DOLLARS	292.0	551.0	459.0	179.0	268.0	269.0
	ALL CHICKENS			CHICKENS RAISED 2/		
Tanana Valley	3,400	5,800	1,900	28,000	22,500	18,000
Matanuska Valley	28,500	46,900	35,300	50,800	55,000	33,000
Kenai Peninsula	4,600	27,600	35,100	26,000	47,000	28,000
Southeast 1/	500	700	700	2,200	2,500	3,000
STATE TOTAL	37,000	81,000	73,000	107,000	127,000	82,000
VALUE (000) DOLLARS	187.0	381.0	314.0	NA	NA	NA

1/ Includes Southwest. 2/ Purchased during the year.
NA - Not Available.

ALASKA CALF CROP
(Selected Years)

Year	Cows & Heifers That have Calved January 1	Calving Percentage	Calf Crop
1975	4,400	80	3,500
1980	3,600	78	2,800
1983	4,400	75	3,300



ALASKA PIG CROP
(Selected Years)

Year	Farrowed	Pigs Per Litter	Pigs Saved
	Spring Farrowings		
1975	50	8.0	400
1980	170	7.1	1,200
1983	450	7.6	3,400
	Fall Farrowings		
1975	50	7.5	400
1980	210	6.7	1,400
1983	390	7.7	3,000

ALASKA EGG PRODUCTION BY MONTHS - 1981 AND 1983

MONTHS	HENS AND PULLETS		EGGS PER LAYER		EGG PRODUCTION	
	1981	1983	1981	1983	1981	1983
December 1/	28,000	56,000	16.62	20.12	465	1,125
January	27,000	55,000	18.70	21.05	505	1,160
February	27,000	52,000	16.74	20.33	385	1,055
March	19,000	55,000	19.38	22.60	465	1,245
April	28,000	64,000	19.47	20.79	545	1,330
May	28,000	69,000	18.38	21.33	515	1,470
June	28,000	71,000	17.85	21.36	500	1,515
July	27,000	68,000	19.62	21.30	530	1,450
August	27,000	66,000	21.14	20.62	550	1,360
September	25,000	69,000	20.82	20.19	645	1,395
October	36,000	68,000	21.67	20.34	780	1,385
November	35,000	63,000	21.28	19.59	745	1,235

1/ December preceding year.

ALASKA EGGS 1981-83

DISTRICT	YEAR	AV. NUMBER OF LAYERS	PRODUCTION DOZEN	PRODUCTION (DOLLARS)	SALES (DOLLARS)
	1981		65,000	97,500	58,000
Tanana Valley	1982	NOT	38,000	70,000	30,000
	1983		122,000	159,000	114,000
	1981		520,000	470,000	412,000
Matanuska Valley	1982	ESTIMATED	500,000	571,000	491,000
	1983		610,000	702,000	601,000
	1981		67,000	93,500	60,000
Kenai Peninsula	1982	BY	190,000	224,000	185,000
	1983		560,000	675,000	555,000
	1981		6,000	9,000	3,000
Southeast 1/	1982	DISTRICTS	5,000	8,000	2,000
	1983		8,000	11,000	5,000
	1981	26,000	558,000	670,000	533,000
STATE TOTAL	1982	39,000	733,000	873,000	708,000
	1983	63,000	1,300,000	1,547,000	1,275,000

1/ Includes Southwest.

ALASKA MEAT PRODUCTION 1981-83

District	Year	Production Pounds Dr. Wt.	Production Dollar Value	Production Pounds Dr. Wt.	Production Dollar Value
		BEEF AND VEAL		PORK	
Tanana Valley	1981	130,000	162,000	137,000	137,000
	1982	134,000	181,000	277,000	308,000
	1983	166,000	183,000	242,000	248,000
Matanuska Valley	1981	274,000	320,000	134,000	131,000
	1982	282,000	355,000	293,000	321,000
	1983	342,000	442,000	600,000	588,000
Kenai Peninsula	1981	104,000	142,000	11,000	12,000
	1982	126,000	193,000	23,000	26,000
	1983	134,000	174,000	41,000	45,000
Southeast 1/	1981	241,000	325,000	11,000	13,000
	1982	259,000	364,000	11,000	13,000
	1983	193,000	200,000	16,000	18,000
STATE TOTAL	1981	749,000	949,000	294,000	293,000
	1982	801,000	1,093,000	604,000	668,000
	1983	835,000	999,000	899,000	899,000
		POULTRY			
Tanana Valley	1981	66,400	36,500		
	1982	45,500	23,000		
	1983	39,000	22,000		
Matanuska Valley	1981	104,600	54,500		
	1982	72,700	34,400		
	1983	53,000	28,200		
Kenai Peninsula	1981	55,700	30,600		
	1982	53,400	27,100		
	1983	48,000	27,000		
Southeast 1/	1981	4,300	2,400		
	1982	4,500	2,500		
	1983	6,000	3,800		
STATE TOTAL	1981	231,000	124,000		
	1982	176,000	87,000		
	1983	146,000	81,000		

1/ Includes Southwest

ALASKA MILK PRODUCTION BY MONTHS - 1981 AND 1983

MONTH	MILK COWS IN HERD 1/ 1981	MILK COWS IN HERD 1/ 1983	MILK PER COW 1981	MILK PER COW 1983	MILK PRODUCTION 1981	MILK PRODUCTION 1983
			--- Pounds ---		-Thousand Pounds-	
January	1,100	1,000	1,025	1,090	1,130	1,090
February	1,100	1,000	935	1,010	1,030	1,010
March	1,100	1,000	1,000	1,130	1,100	1,130
April	1,100	1,000	1,025	1,120	1,130	1,120
May	1,100	1,000	1,045	1,130	1,150	1,130
June	1,100	1,000	1,010	1,130	1,110	1,130
July	1,100	1,000	990	1,250	1,090	1,250
August	1,100	1,000	1,025	1,180	1,130	1,180
September	1,100	1,000	1,035	1,060	1,140	1,060
October	1,100	1,100	1,055	1,020	1,160	1,120
November	1,100	1,100	1,020	1,000	1,120	1,100
December	1,100	1,000	1,010	1,070	1,110	1,180
ANNUAL	1,100	1,000	12,182	12,290	13,400	13,500

1/ Includes all fresh and dry cows.

ALASKA MILK PRODUCTION AND VALUE - 1981-83

DISTRICT	YEAR	PRODUCTION POUNDS	PRODUCTION VALUE	VALUE PER CWT.	PERCENT MILKFAT
		(000)	(000)		
Tanana Valley 1/	1981	1,500	320	NOT ESTIMATED BY DISTRICTS	
	1982	1,800	425		
	1983	1,700	417		
Matanuska Valley	1981	11,900	2,281		
	1982	12,000	2,538		
	1983	11,800	2,665		
STATE TOTAL	1981	13,400	2,601	19.41	3.58
	1982	13,800	2,963	21.47	3.59
	1983	13,500	3,082	22.83	3.53

1/ Includes Kenai Peninsula

ALASKA SHEEP, LAMB, WOOL AND MUTTON

ALASKA SHEEP AND LAMBS ON FARMS
JANUARY 1, 1982-84

Year	EWES ONE YEAR PLUS State Total	EWES ONE YEAR PLUS Value (000)
1982	1,900	190.0
1983	1,600	176.0
1984	1,600	176.0

YEAR	WETHERS AND RAMS ONE YEAR PLUS State Total	WETHERS AND RAMS ONE YEAR PLUS Value (000)
1982	1,400	126.0
1983	1,100	104.0
1984	1,000	100.0

YEAR	ALL LAMBS State Total	ALL LAMBS Value (000)
1982	600	48.0
1983	600	57.0
1984	500	50.0

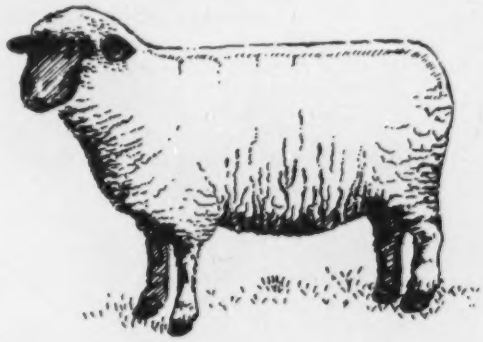
YEAR	ALL SHEEP AND LAMBS State Total	ALL SHEEP AND LAMBS Value (000)
1982	3,900	341.0
1983	3,300	337.0
1984	3,100	326.0

ALASKA LAMP CROP
(Selected Years)

Year	Ewes one Year Old and Over January 1	Lambing Percentage	Lambs Saved
1975	6,000	17	1,000
1980	2,000	26	600
1982	1,900	37	700

ALASKA WOOL PRODUCTION 1981-83

YEAR	PRODUCTION POUNDS Dr. Wt.	PRODUCTION Value (Dollars)
1981	16,000	8,000
1982	28,000	18,000
1983	23,000	12,000



ALASKA LAMB AND MUTTON - 1981-83

YEAR	PRODUCTION POUNDS Dr. Wt.	VALUE (Dollars)
1981	18,000	18,000
1982	53,000	40,000
1983	21,000	18,000

ALASKA'S CLIMATE

Temperatures and precipitation vary considerably from one end of the State to the other. Although several areas of the State have suitable soils as well as a favorable climate for agriculture, most farms are located in the Railbelt. This area includes the Tanana Valley, Matanuska Valley, and Kenai Peninsula.

MATANUSKA VALLEY, surrounding the Palmer area and near Anchorage, is the major agriculture producing area. The Valley not only has good soils, but the most suitable climate for agriculture of any area in the State. Temperatures are a little more moderate than the Interior. The Anchorage and Palmer area has up to 19 hours of daylight. Summer and fall season have frequent showers and cloudy weather. Total precipitation is limited, but usually adequate. The connecting SUSITNA VALLEY has a shorter growing season; otherwise similar conditions previal. April, May, and June are the driest months.

TANANA VALLEY, from Fairbanks to Delta Junction, is the second most important existing agriculture area. Temperature changes are more severe because of the distance from the ocean. Warming and cooling trends in the spring and autumn are quite rapid. Summers are shorter and warmer, but winters are colder than other areas of the State. Inspite of the short growing season, the long days of sunshine and warmer temperatures make crops grow and mature faster. Fairbanks has up to 21 hours of daylight.

KENAI PENINSULA has primarily a maritime weather situation. Temperatures are moderated by effects of water. Frosts are fairly frequent until mid-June. Precipitation is higher than the other areas of the Railbelt. Crops have to be carefully selected for their tolerance of frosts and a shorter growing season.

OTHER AREAS including Kodiak and other islands along the Aleutian Chain, as well as the Southeast, all have a maritime climate with warmer winters and cooler summers than the Interior. Cloudy weather and frequent rains often delay crop maturity.

Detailed summaries are shown on the following pages for temperature, precipitation and growing degree days. Data for these summaries are taken from monthly Climatological Data publications, NOAA, Environmental Data Service and may vary somewhat from the annual Climatological Data publication when it becomes available.

The length of growing season (GS) shown in the 1983 and historic temperature summaries is based on 32 degrees. The GS is the number of days between the last spring and first fall occurrence of 32 degrees. Official Weather Service temperatures are recorded at the five foot level; therefore, minimum temperatures taken near the ground level will normally be colder than the official readings by as much as 10 degrees.

Growing degree days as shown on the inside back cover are based on an average temperatures of 40 degrees. Only temperature values above 40 degrees contribute to growing degree days used in Alaska. For example: The average for July in Big Delta is 60 degrees; therefore, 60-40= 20 degrees multiplied by 31 days in the month of July gives 620 growing season degree days (does not always agree with table due to rounding off monthly temperature to whole degrees).

Permafrost is underlain in all areas of the State except the southern edge from Southeast through the Matanuska Valley down the Aleutian Chain. Permafrost is a condition where soil remains frozen throughout the year. Usually, it does not exist where the annual mean temperature is 32 degrees Farenheit or above. Vegetation insulates the soil; when it is removed, the soil begins to thaw.

ALASKA 1983 TEMPERATURE DATA BY AREA

STATION	HIGH/LOW FOR					AVERAGE FOR					DATE OF LAST SPRING MININUM OF		DATE OF FIRST FALL MINIMUM OF		DAYS IN GS
	YEAR	JAN	APR	JUL	SEP	YEAR	JAN	APR	JUL	SEP	_32	_40	_40	_32	_32
TANANA VALLEY															
Fairbanks arpt.	91/-50	25/-50	63/10	85/48	63/10	29	-11	37	64	41	5/22	5/28	8/14	9/2	103
Univ Exp Sta	93/-55	22/-55	64/2	86/41	61/7	28	-9	34	64	40	684	6/18	8/10	9/2	86
Salcha	82/-55	32/-55	63/-5	84/41	60/5	28	-9	34	61	39	5/22	6/18	8/14	9/2	103
Big Delta	86/-52	23/-52	64/3	81/45	62/-2	28	-8	35	60	37	5/22	6/18	8/13	9/2	103
Clearwater	84/-63	24/-63	69/-8	79/41	60/0	26	-12	35	58	36	5/22	6/18	8/14	9/2	103
MATANUSKA VALLEY															
Anchorage	76/-17	33/-17	54/21	74/46	61/25	37	16	37	59	45	5/1	6/8	9/5	9/5	127
PMC-Butte	79/-29	42/-29	64/20	75/42	60/15	35	10	39	59	43	5/19	6/17	8/3	9/5	109
Palmer AES	77/-21	39/-21	62/21	75/42	60/18	37	14	39	58	44	5/1	6/8	8/15	9/16	138
Mat Exp Sta	78/-21	40/-21	61/23	75/40	60/23	37	15	38	57	44	5/19	6/17	7/18	9/5	109
Wasilla 3S	79/-25	40/-25	60/19	79/40	62/17	37	16	39	60	45	5/25	6/17	7/25	9/6	104
Talkeetna	80/-30	38/-30	62/14	78/41	62/17	35	13	36	59	43	5/25	6/17	8/10	8/15	82
KENAI PENINSULA															
Homer Arpt.	68/-5	43/-5	52/26	66/41	58/26	40	23	38	55	44	4/20	6/10	9/5	9/25	158
Kasilof	69/-24	35/-24	56/24	68/32	63/9	36	18	37	52	42	6/26	6/27	7/2	7/10	14
Sterling	78/-26	37/-26	59/18	76/34	64/9	35	14	37	55	42	6/8	6/26	7/2	8/11	64
OTHER AREAS															
Kodiak	78/2	44/2	62/26	72/44	70/28	43	31	42	57	52	4/19	6/10	8/26	9/26	160
Nome	76/-32	35/-32	40/-5	75/37	53/18	30	3	25	56	40	6/26	6/25	7/1	8/25	60
McGrath	81/-55	22/-55	52/-4	81/43	60/9	26	-15	30	60	40	5/21	6/18	8/13	8/23	94
Juneau Arpt.	79/0	44/7	68/26	78/44	64/27	42	30	43	57	48	4/24	5/14	9/6	9/26	155
Haines	81/-10	46/-10	71/24	78/44	65/24	41	24	44	59	48	4/23	6/8	9/7	9/7	137
Kenny Lake	82/-45	25/-45	66/0	79/33	62/-1	28	-8	35	56	40	6/12	6/18	7/15	8/17	66

ALASKA HISTORICAL TEMPERATURE DATA BY AREA

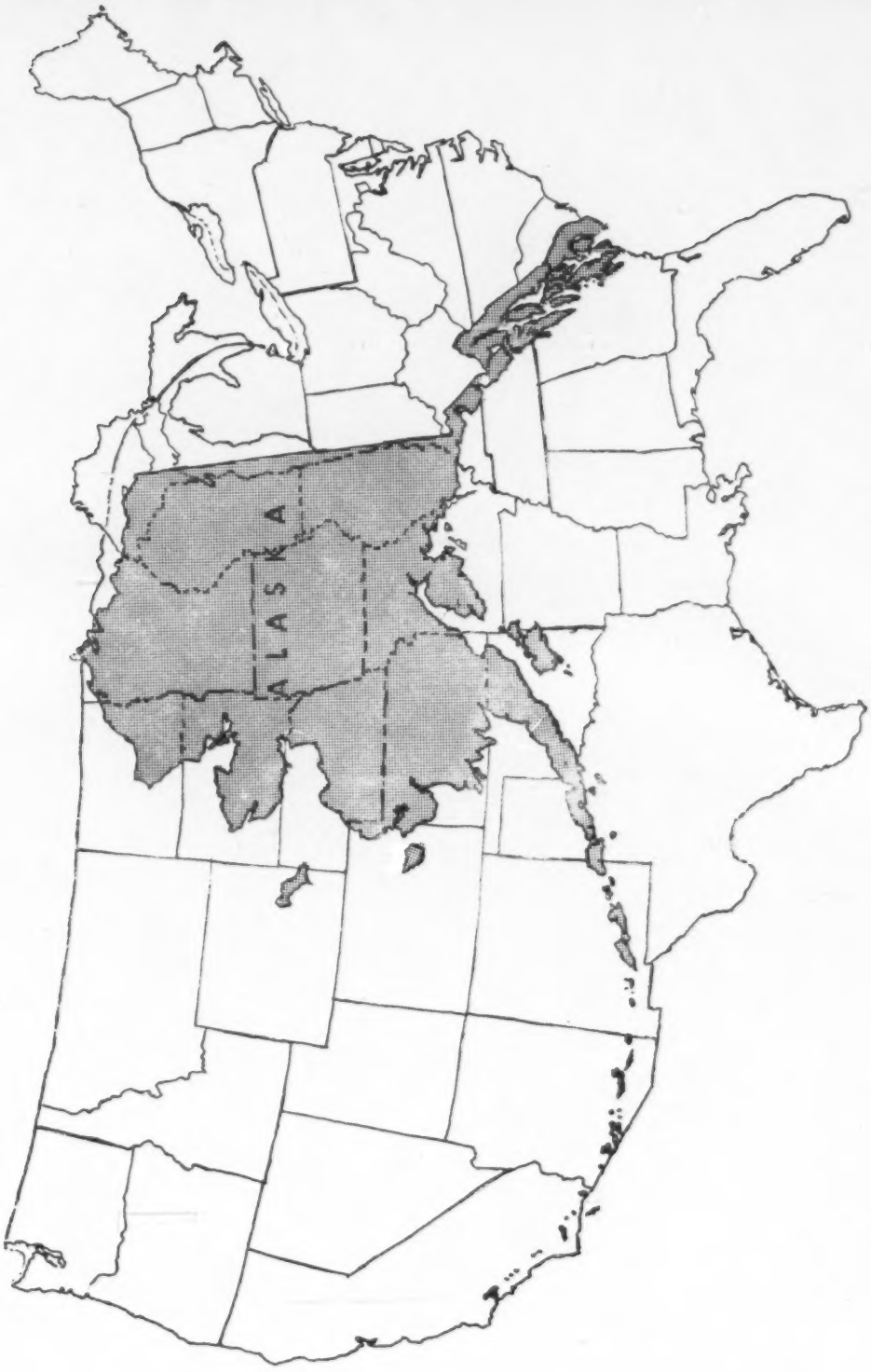
STATION	RECORD HIGH/LOW FOR					AVERAGE FOR					GROWING SEASON	
	YEAR	JAN	APR	JUL	SEP	YEAR	JAN	APR	JUL	SEP	AVG. NO. FROST FREE DAYS 32	NO. OF YEARS USED FOR AVG.
TANANA VALLEY												
Fairbanks Arpt.	96/-66	50/-66	74/-49	93/34	84/10	26	-12	29	61	44	114	17
Univ. Exp. Sta.	99/-65	47/-65	76/-32	99/29	85/6	27	-8	60	60	45	90	16
Big Delta	92/-63	48/-63	76/-37	91/35	79/2	27	-5	29	59	44	93	9
Salcha	91/-64	49/-64	76/-19	91/33	74/18	28	2	31	61	45	108	17
Clearwater	93/-72	48/-72	74/-32	90/28	74/13	25	-4	30	59	43	56	8
MATANUSKA VALLEY												
Anchorage	86/-38	56/-35	65/-21	83/35	73/19	35	12	35	58	48	140	17
Palmer AES	90/-35	51/-35	69/-17	85/37	72/17	36	18	37	58	49	124	17
Mat. Exp Sta.	91/-41	51/-40	68/-16	85/31	75/16	35	12	36	58	49	114	17
Wasilla 3S	90-38	52/-38	68/-8	87/37	76/17	37	19	38	59	49	111	16
Talkeetna	91/-48	45/-48	69/-37	90/26	78/11	33	9	33	58	46	103	16
PMC-BUTTE	85/-42	51/-40	72/-10	85/36	71/17	36	18	38	47	48	101	9
KENAI PENINSULA												
Homer Arpt.	81/-17	49/-17	60/-7	78/37	66/24	37	21	35	52	47	140	8
Kasilof	87/-45	48/-45	63/-14	83/27	72/15	34	17	34	53	46	59	15
Sterling	87/-40	44/-38	65/-8	87/30	70/9	34	17	35	55	46	75	12
OTHER AREAS												
Kodiak	86/-8	54/-8	62/-7	80/38	72/26	41	30	37	54	50	156	17
Nome	86/-47	46/-47	60/-30	86/31	67/15	26	6	19	50	42	82	16
McGrath	90/-64	54/-64	67/-31	89/33	76/6	25	-9	27	58	44	107	15
Juneau Arpt.	90/-22	57/-20	71/6	90/36	72/26	40	24	39	56	49	134	16
Haines	98/-17	53/-11	74/16	98/35	76/24	41	24	42	58	50	149	14
Kenny Lake	88/-57	44/-57	68/-10	88/30	70/-1	28	0	34	57	44	71	6

ALASKA PRECIPITATION DATA BY AREA (Inches)

STATION	1983 PRECIPITATION							AVERAGE PRECIPITATION							1983 SNOW-FALL
	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
TANANA VALLEY															
Fairbanks Arpt.	.27	.14	.57	1.71	3.33	.92	9.85	.37	.66	1.54	1.77	1.48	.87	9.78	47.3
Univ. Exp. Sta.	.20	.09	1.11	.87	3.81	.83	11.81	.30	.50	1.71	2.18	1.70	.99	11.80	19.1
Salcha	.17	.23	.76	1.89	4.13	1.35	11.69	.36	.88	2.07	2.48	2.24	1.32	10.92	36.4
Big Delta	.09	.31	1.28	4.62	2.16	1.09	10.94	.20	.90	2.43	3.07	2.05	.91	11.64	34.1
Clearwater	.15	.41	.89	3.64	2.59	5.49	15.43	.50	1.16	2.41	2.75	2.17	1.70	15.37	39.5
MATANUSKA VALLEY															
Anchorage	1.36	.59	.66	.55	2.89	2.29	14.80	.79	.52	1.26	1.98	2.05	3.02	16.23	55.3
PMC-Butte	.68	.58	1.17	1.22	3.14	2.09	16.15	.65	.53	1.40	2.57	1.52	2.24	18.12	22.7
Palmer AES	.62	.25	1.31	1.40	4.47	2.43	14.64	.62	.55	1.32	2.49	1.88	2.67	16.09	31.1
Mat. Exp. Sta.	.40	.12	1.19	1.40	4.65	2.04	14.22	.67	.58	1.45	2.78	1.84	2.42	15.63	25.4
Wasilla 3S	.73	.21	1.13	1.11	4.67	2.70	15.23	.70	.54	1.77	2.69	2.13	2.92	16.73	23.8
Talkeetna	2.58	1.27	1.77	1.75	5.69	3.29	24.95	1.56	1.45	3.29	3.80	3.21	4.04	27.39	92.4
KENAI PENINSULA															
Homer Arpt.	1.05	.54	.49	1.00	2.20	4.14	25.71	1.40	1.10	.99	1.54	1.87	3.40	28.26	44.9
Kasilof	.18	.72	1.18	1.36	1.76	5.87	16.67	1.15	.59	1.00	1.38	1.37	3.88	17.44	36.2
Sterling	.04	.76	.81	1.38	1.88	2.91	12.66	.81	.60	.83	1.38	1.13	2.66	13.18	30.8
OTHER AREAS															
Kodiak	3.60	5.55	7.29	3.81	2.23	10.10	68.52	3.81	4.35	4.12	3.54	4.30	6.11	56.68	57.9
Nome	.69	1.23	1.55	1.62	1.72	3.72	19.25	.73	.70	.95	2.42	3.57	2.40	16.44	84.7
McGrath	.93	1.17	1.36	3.21	2.73	5.00	22.75	.66	.80	1.70	2.28	3.28	2.14	16.74	107.4
Juneau Arpt.	2.44	5.10	1.86	1.73	5.97	5.10	41.12	2.99	3.31	2.93	4.69	5.00	6.90	54.67	118.5
Haines	3.54	2.27	.20	.69	1.81	5.32	36.68	1.98	2.12	1.06	1.38	1.71	5.10	50.64	104.2
Kenny Lake	.38	.38	.75	1.34	.76	1.20	8.58	.28	.86	1.47	2.27	1.16	1.07	10.74	50.1

ALASKA SEASON GROWING DEGREE DAYS (Base 40 F)

STATION	MAY		JUN		JUL		AUG		SEP		TOTAL	
	1983	AVG.	1983	AVG.	1983	AVG.	1983	AVG.	1983	AVG.	1983	AVG.
TANANA VALLEY												
Fairbanks Arpt.	322	302	669	576	744	701	419	540	36	176	2190	2295
Univ. Exp. Sta.	223	273	585	531	744	662	400	516	0	150	1952	2132
Salcha	210	248	555	510	651	651	403	543	0	180	1819	2132
Big Delta	226	264	525	504	620	640	347	510	0	159	1718	2077
Clearwater	192	223	519	460	567	585	372	466	0	110	1650	1844
MATANUSKA VALLEY												
Anchorage	270	233	477	443	589	579	499	521	159	265	1994	2041
PMC-Butte	226	252	474	442	589	555	440	498	87	220	1816	1967
Palmer AES	273	240	489	439	558	545	462	504	129	257	1911	1985
Mat. Exp. Sta.	248	239	453	430	527	542	446	499	129	240	1803	1950
Wasilla 3S	267	261	453	457	620	591	415	535	162	276	1917	2120
Talkeetna	248	186	492	437	589	562	415	495	78	196	1822	1876
KENAI PENINSULA												
Homer Arpt.	186	104	354	279	465	423	437	421	123	230	1565	1457
Kasilof	186	78	237	261	372	415	403	391	60	180	1258	1325
Sterling	186	141	381	321	465	463	378	424	63	179	1473	1528
OTHER AREAS												
Kodiak	205	118	357	305	527	457	558	479	345	315	1992	1674
Nome	118	0	276	178	496	382	236	362	9	90	1135	1012
McGrath	223	183	501	440	620	582	326	480	0	128	1670	1813
Juneau Arpt.	301	222	468	401	527	498	453	487	240	302	1989	1910
Haines	341	289	498	465	589	565	462	538	246	309	2136	2166
Kenny Lake	164	138	450	395	496	511	369	436	0	128	1482	1608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